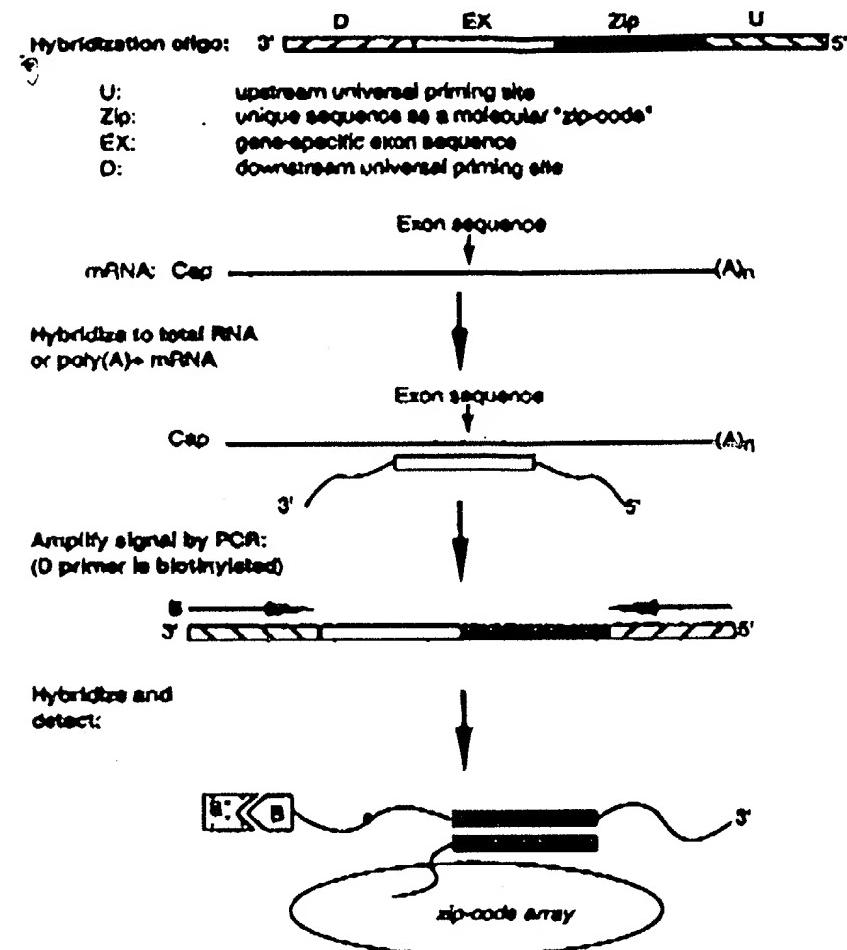


A flow chart for array-based detection of gene expression



Figures 1

A flow chart for array-based detection of RNA alternative splicing

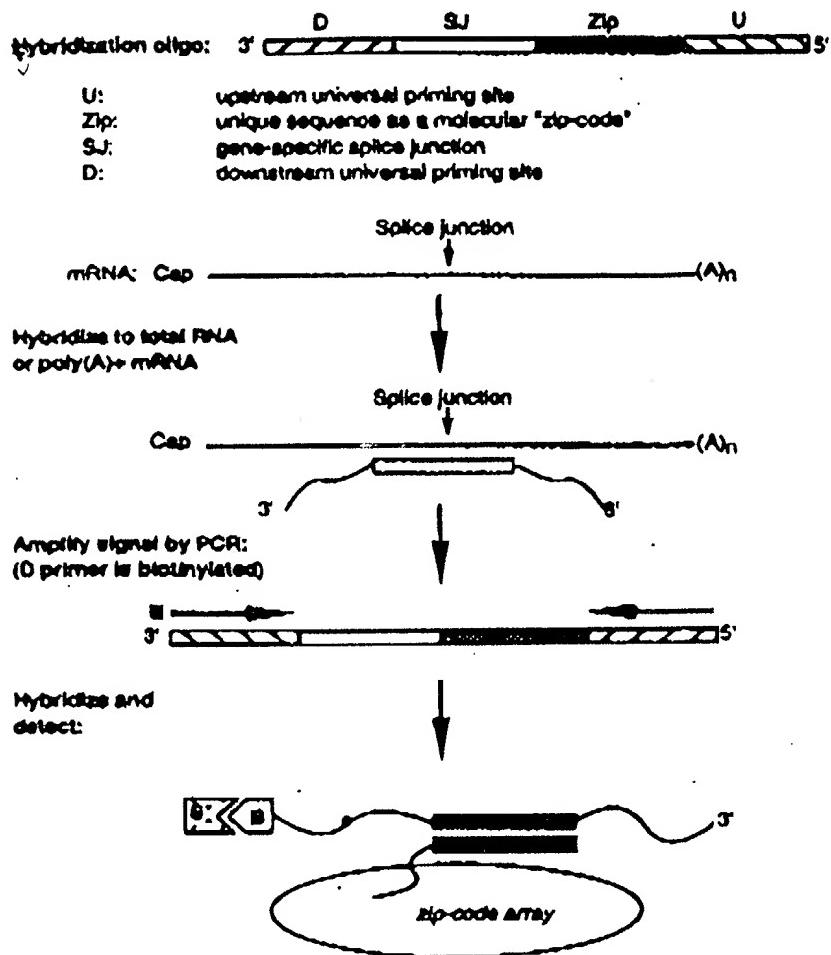


Figure 2

**Genome-wide gene expression profiling using oligo-ligation strategy**

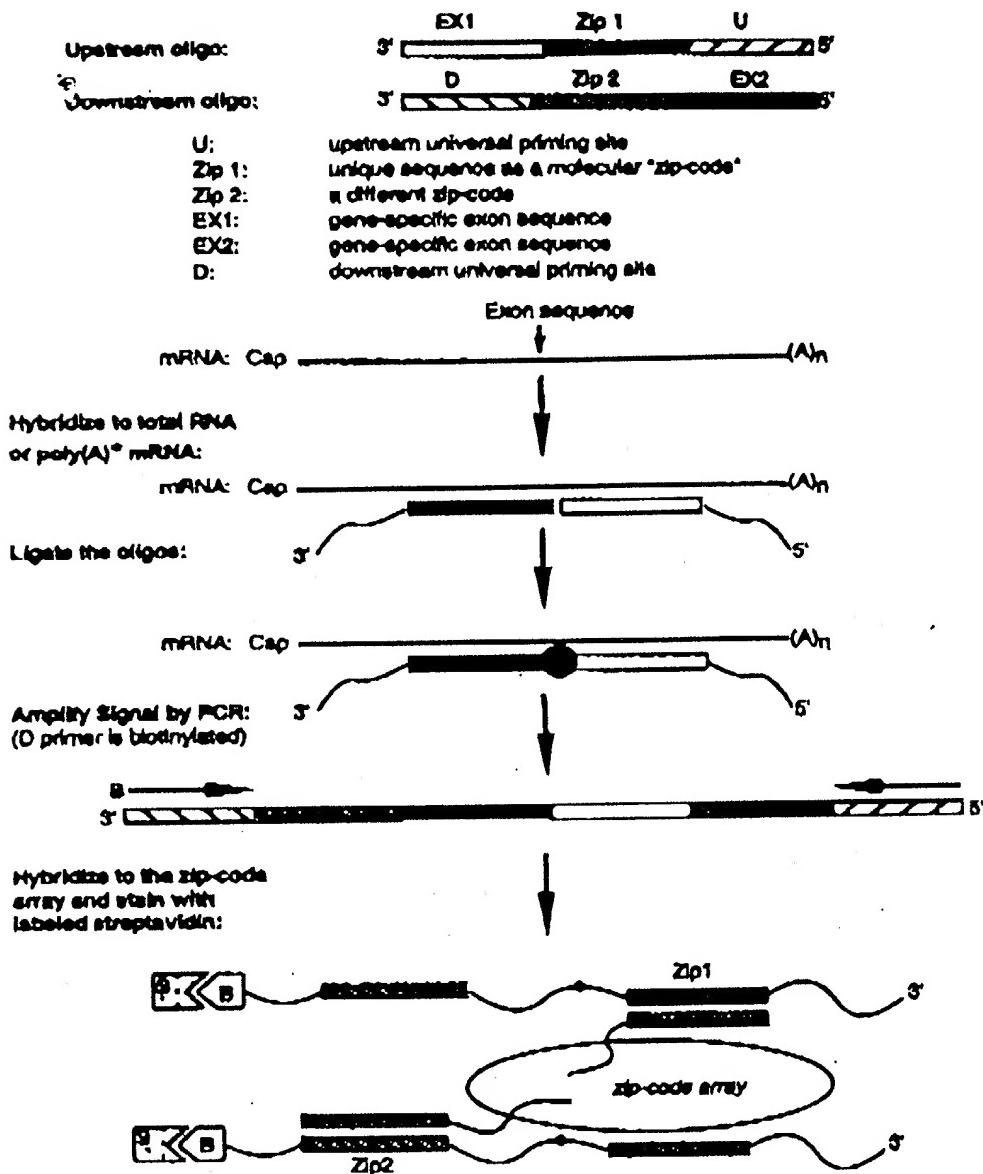


Figure 3

**Genome-wide RNA alternative splicing monitoring using oligo-ligation strategy**

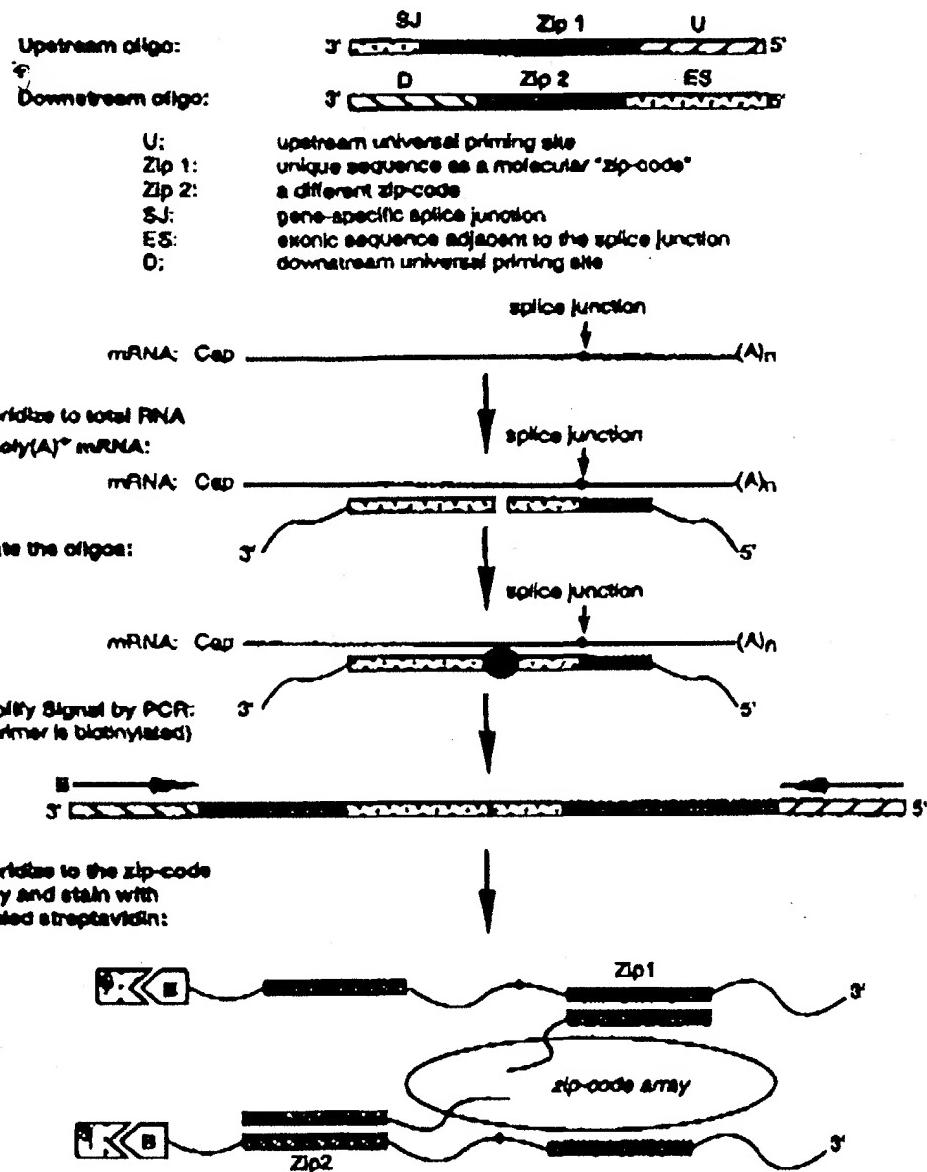


Figure 4

Direct genotyping using a whole-genome oligo-ligation strategy

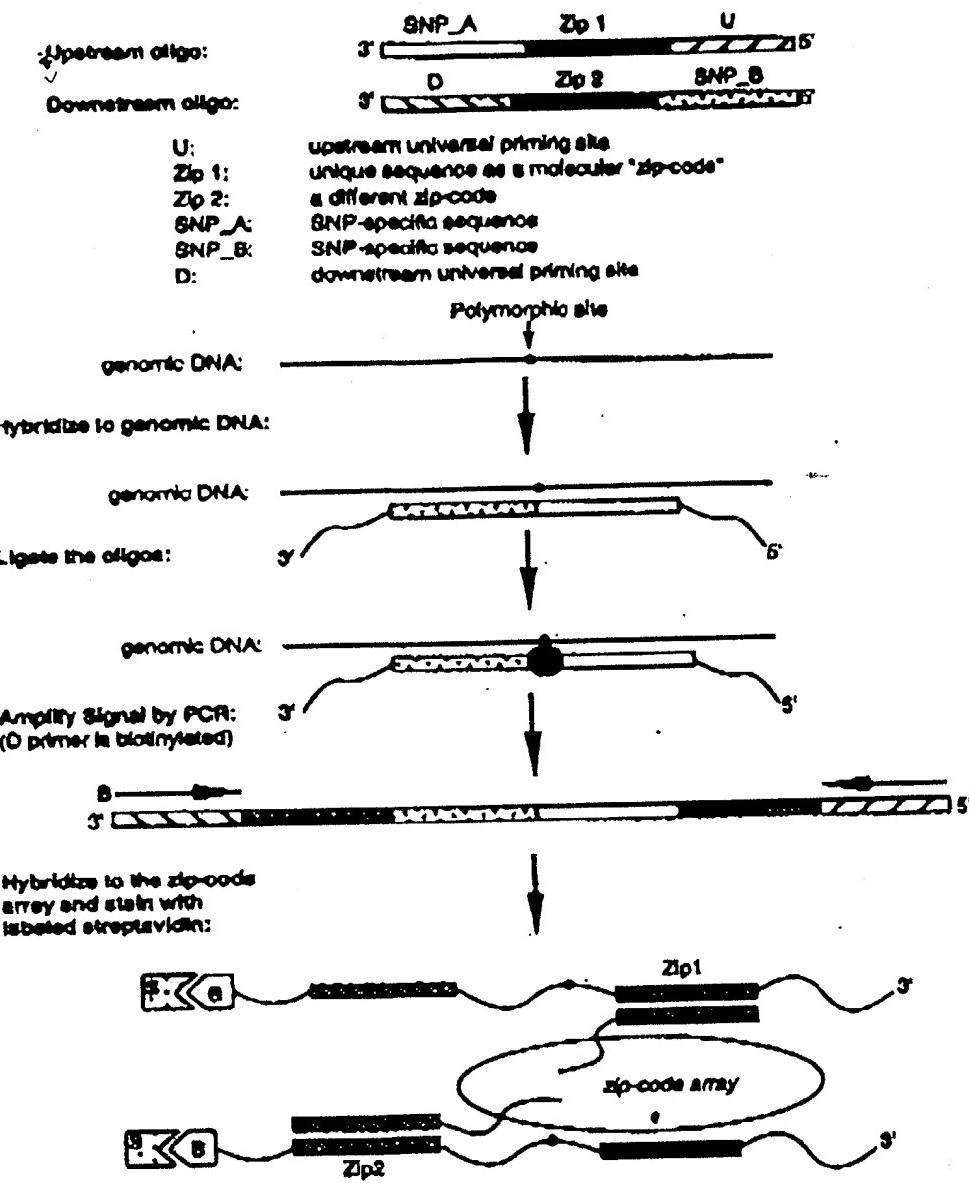
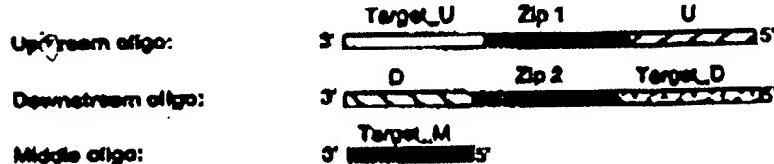


Figure 5

## Whole genome oligo-ligation strategy



- U: upstream universal priming site
- Zip 1: unique sequence as a molecular "zip-code"
- Zip 2: a different zip-code
- Target\_U: upstream target-specific sequence
- Target\_D: downstream target-specific sequence
- Target\_M: middle target-specific sequence
- D: downstream universal priming site

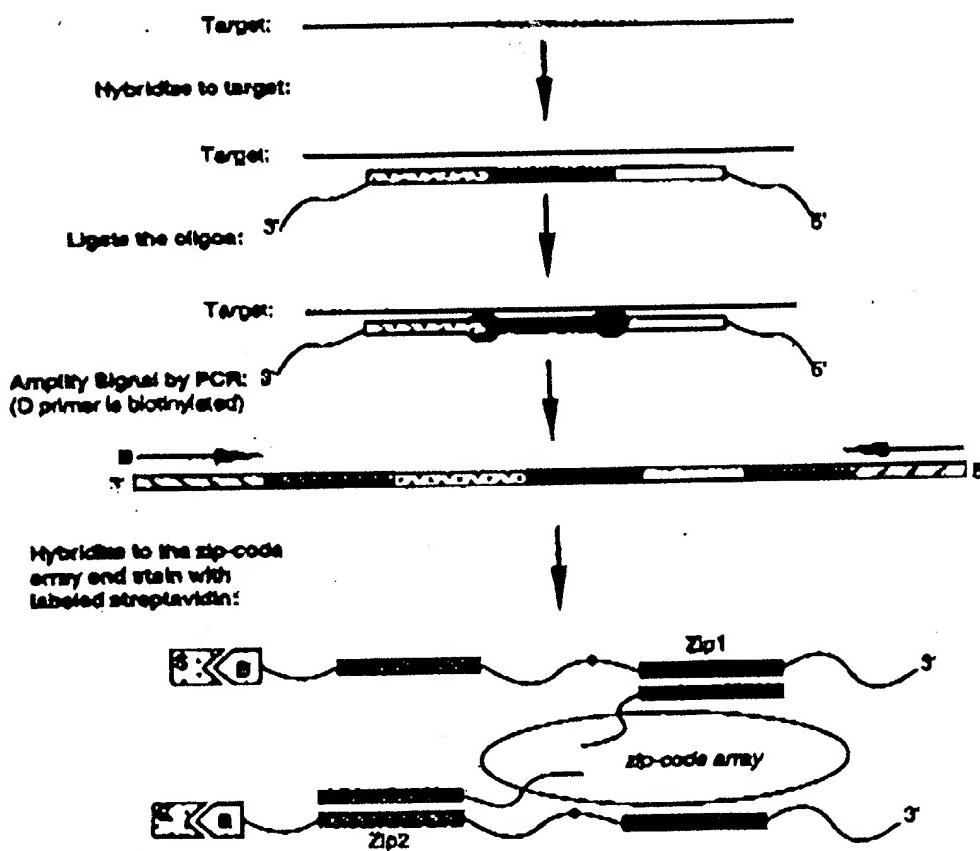


Figure 6

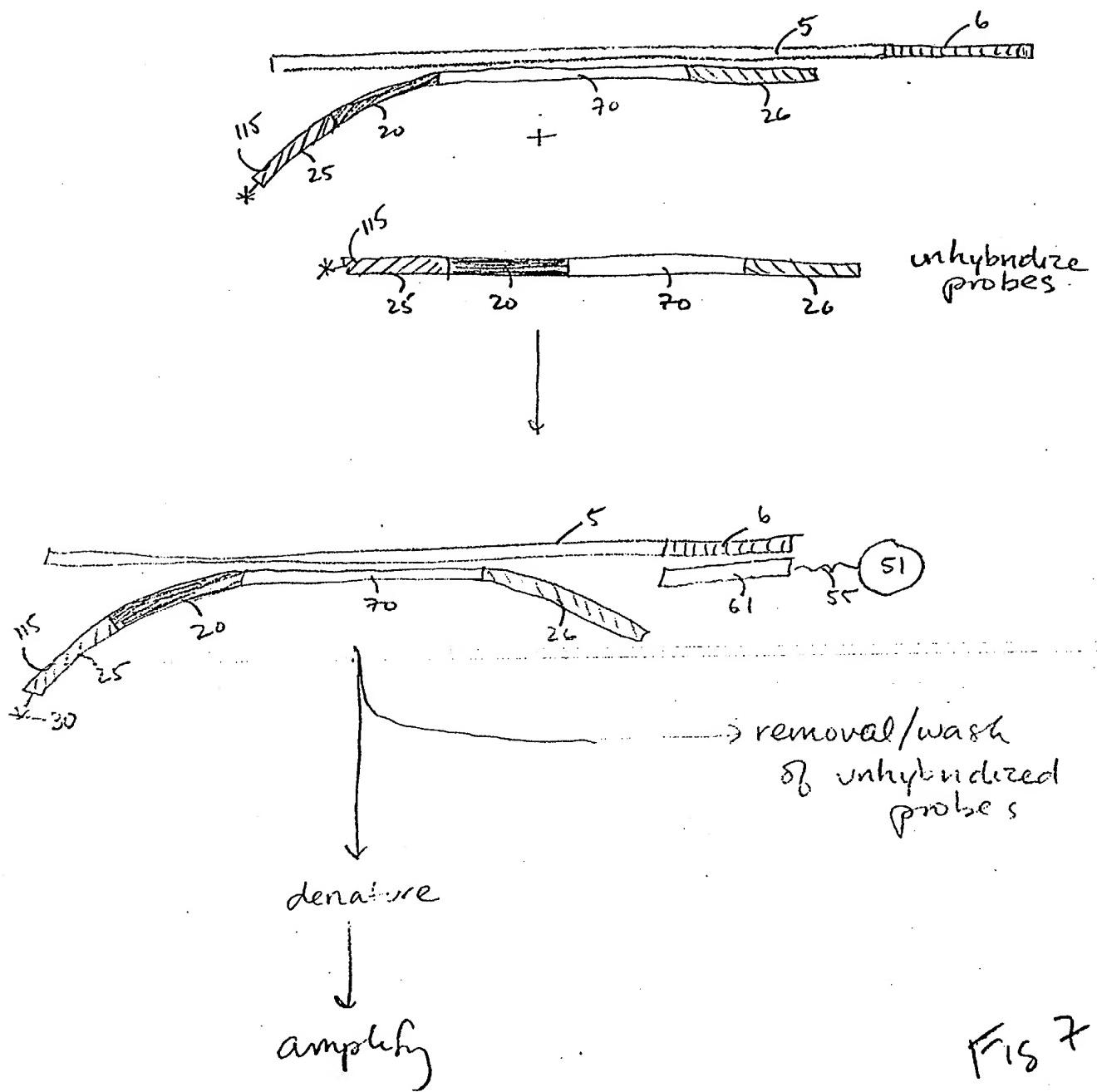


Fig 7

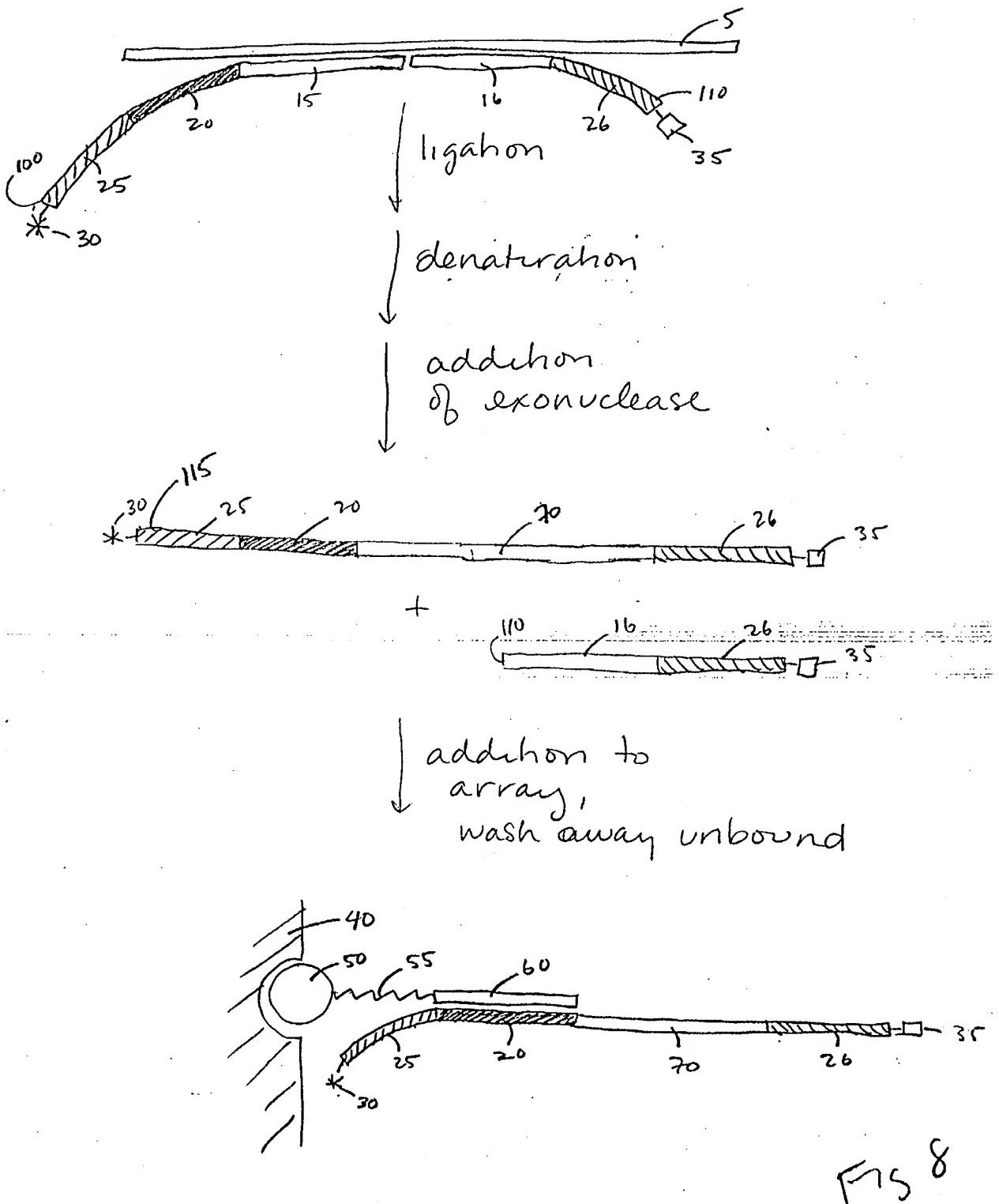


FIG 8

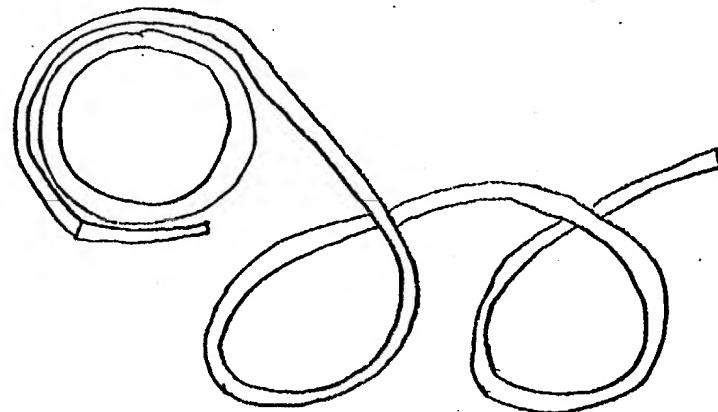
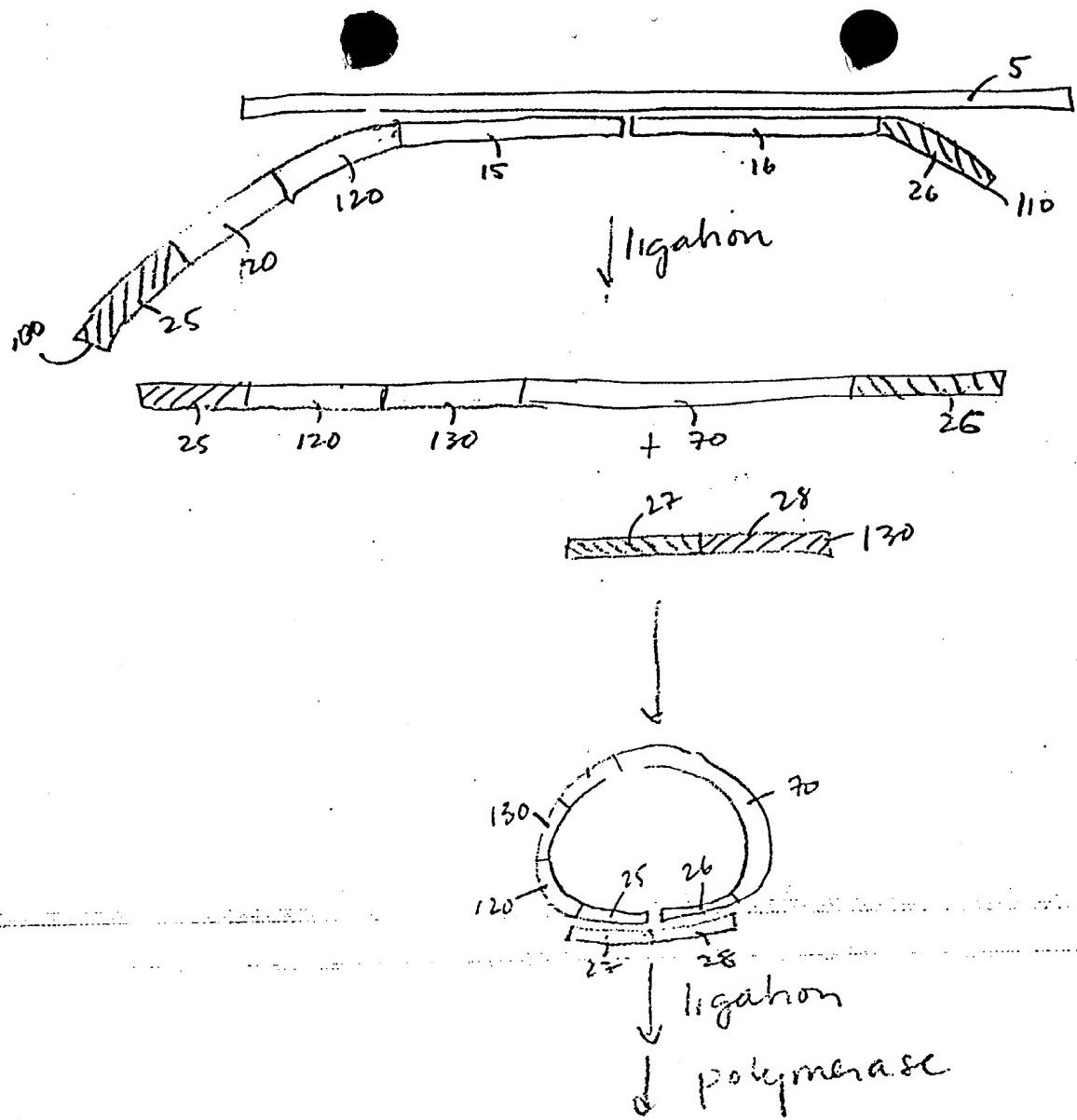
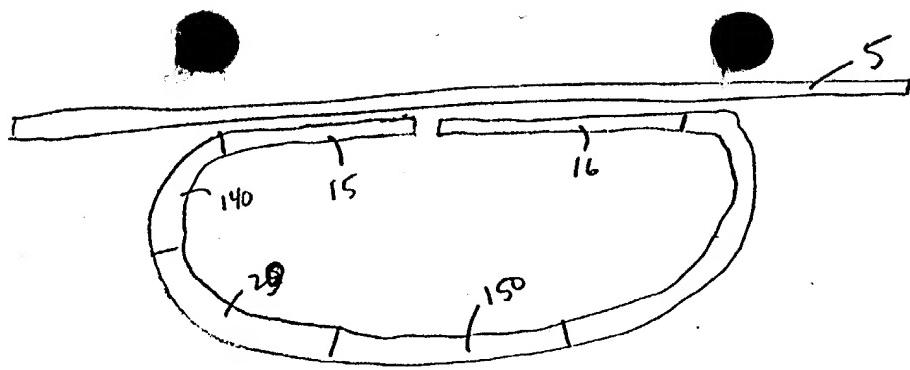
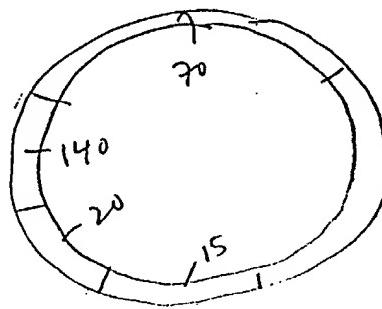


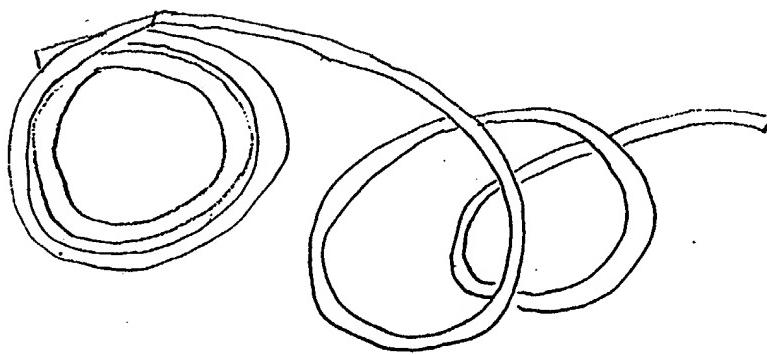
Fig 9



↓  
ligation, denaturation



↓  
addition of  
primer,  
extension



↓

Fig 10